

Title (en)

Ophthalmologic information-processing apparatus and ophthalmologic examination apparatus

Title (de)

Ophthalmologische Informationsverarbeitungsvorrichtung und ophthalmologisches Untersuchungsgerät

Title (fr)

Appareil de traitement d'informations ophtalmologiques et appareil d'examen ophtalmologique

Publication

EP 2022391 B1 20100512 (EN)

Application

EP 08010029 A 20080602

Priority

US 88223607 A 20070731

Abstract (en)

[origin: EP2022391A1] An ophthalmologic examination apparatus 1 projects a light onto a fundus oculi, detects the reflected light thereof, and forms a 3-dimensional image that represents the morphology of a retina based on the detected results. A stimulation-position specifying part 233 specifies, in the 3-dimensional image, a plurality of stimulation positions that correspond to a plurality of stimulation points Pi in a visual-field examination. A layer-thickness measuring part 235 analyzes the 3-dimensional image to find the layer thickness of the retina at each stimulation position. In addition, a displacement calculation part 234 specifies a related position of the stimulation position. A layer-thickness measuring part 235 finds the layer thickness of the retina at the related position.

IPC 8 full level

A61B 3/12 (2006.01); **A61B 3/024** (2006.01)

CPC (source: EP US)

A61B 3/024 (2013.01 - EP US); **A61B 3/102** (2013.01 - EP US)

Cited by

DE102009041996A1; CN102626305A; US8388135B2; US9429414B2; WO2010150483A3; US8840248B2; US10307055B2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 2022391 A1 20090211; **EP 2022391 B1 20100512**; AT E467385 T1 20100515; DE 602008001215 D1 20100624; JP 2009034480 A 20090219; JP 2013116366 A 20130613; JP 5231085 B2 20130710; US 2009033870 A1 20090205; US 7641339 B2 20100105

DOCDB simple family (application)

EP 08010029 A 20080602; AT 08010029 T 20080602; DE 602008001215 T 20080602; JP 2008136827 A 20080526; JP 2013053170 A 20130315; US 88223607 A 20070731